

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

- 1 1. (Currently Amended) A system comprising:  
2 a CPU;  
3 a peripheral bus coupled to the CPU;  
4 a management processor coupled to the peripheral bus; and  
5 an infrared transceiver coupled to the management processor;  
6 the management processor enabling ~~an external~~ a handheld device to emulate any one or  
7 more of a keyboard, a mouse, a disk drive, and a monitor via the infrared transceiver,  
8 the management processor to cooperate with the handheld device to load diagnostic  
9 software from the handheld device into the system for execution on the CPU to perform a  
10 diagnostic task.
- 1 2. (Currently Amended) The system of claim 1, further comprising:  
2 the management processor decoding video cycles on the peripheral bus, converting the  
3 video cycles to a video stream and sending the video stream via the infrared transceiver for  
4 display by the ~~external~~ handheld device.
- 1 3. (Currently Amended) The system of claim 1, further comprising:  
2 a memory coupled to the management processor; and  
3 the management processor storing status information of the ~~computer system~~ system into the  
4 memory.
- 1 4. (Original) The system of claim 1, further comprising:  
2 the management processor implementing an IrDA stack.

1 5. (Currently Amended) The system of claim 1, further comprising:  
2 an I/O bus coupled to the management processor; and  
3 a microcontroller coupled to the I/O bus and the infrared transceiver;  
4 the microcontroller implementing an IrDA stack and enabling communications with the  
5 ~~external~~ handheld device via the infrared transceiver.

1 6. (Original) The system of claim 1, further comprising:  
2 a first memory coupled to the management processor;  
3 an I/O bus coupled to the management processor;  
4 a microcontroller coupled to the I/O bus and the infrared transceiver; and  
5 a second memory coupled to the microcontroller.

1 7. (Currently Amended) The system of claim 6, ~~the computer providing an auxiliary power~~  
2 ~~signal, further comprising:~~ further comprising an auxiliary power source;  
3 the management processor, the first and second memories, the microcontroller and the  
4 infrared transceiver coupled to the auxiliary power ~~signal~~ source.

1 8. (Cancelled)

1 9. (Currently Amended) A system comprising:  
2 an interface to communicate with a ~~handheld~~ personal digital assistant (PDA) device; and  
3 a processor to interact with the ~~handheld~~ PDA device through the interface to enable the  
4 ~~handheld~~ PDA device to emulate a pointer device function and a display function of the system,  
5 wherein the processor is adapted to load diagnostic software from the PDA device into  
6 the system for execution to perform a diagnostic task.

1 10. (Original) The system of claim 9, wherein the system comprises a headless system that  
2 does not have a pointer device and a display.

- 1 11. (Original) The system of claim 9, wherein the interface comprises an infrared  
2 transceiver.
- 1 12. (Currently Amended) The system of claim 9, wherein the processor is adapted to interact  
2 with the ~~handheld~~ PDA device through the interface to further emulate a keyboard function.
- 1 13. (Currently Amended) The system of claim 9, further comprising a system bus over  
2 which video cycles are routed, wherein the processor is adapted to convert the video cycles to  
3 video data and to send the video data through the interface to the ~~handheld~~ PDA device for  
4 display by the ~~handheld~~ PDA device.
- 1 14. (Currently Amended) The system of claim 9, wherein the processor is adapted to interact  
2 with the ~~handheld~~ PDA device through the interface to further emulate a disk drive.
- 1 15. (Currently Amended) The system of claim 14, wherein the processor is adapted to load  
2 [[a]] the diagnostic routine software into the system from the ~~handheld~~ PDA device in the  
3 ~~handheld~~ PDA device's role of emulating a disk drive.
- 1 16. (Currently Amended) The system of claim 15, wherein the processor is adapted to  
2 receive control commands through the interface from the ~~handheld~~ PDA device during  
3 initialization of the system.
- 1 17. (Currently Amended) A method executable in a system, comprising:  
2 communicating with a handheld device through an infrared interface; [[and]]  
3 interacting with the handheld device through the infrared interface to enable the handheld  
4 device to emulate a pointer device function and a display function of the system; and  
5 loading diagnostic software from the infrared handheld device into the system to perform  
6 a diagnostic task.

1 18. (Original) The method of claim 17, wherein emulating the pointer device function and  
2 the display function of the system comprises emulating the pointer device function and the  
3 display function of a headless system that does not have a pointer device and a display.

1 19. (Cancelled)

1 20. (Currently Amended) The method of claim 17, further comprising interacting with the  
2 handheld device through the infrared interface to further emulate a keyboard function.

1 21. (Currently Amended) The method of claim 17, wherein the system comprises a system  
2 bus over which video cycles are routed, the method further comprising converting the video  
3 cycles to video data and to send the video data through the infrared interface to the handheld  
4 device for display by the handheld device.

1 22. (Currently Amended) The method of claim 17, further comprising interacting with the  
2 handheld device through the infrared interface to further emulate a disk drive.

1 23. (Currently Amended) The method of claim 22, ~~further comprising~~ wherein loading [[a]]  
2 the diagnostic routine software into the system from the handheld device [[in]] is based on the  
3 handheld device's role of emulating a disk drive.

1 24. (New) The system of claim 1, wherein the handheld device comprises a personal digital  
2 assistant (PDA) device, and the management processor to cooperate with the PDA device to load  
3 the diagnostic software from the PDA device into the system.

1 25. (New) The method of claim 17, wherein loading the diagnostic software from the  
2 handheld device into the system comprises loading the diagnostic software from a personal  
3 digital assistant (PDA) device into the system.